

Pilot Project Page:

In June 2001, the California Department of Health Genetics Disease Branch received a grant from the Health Resources and Services Administration to conduct a pilot study on expanded newborn screening using MS/MS. Since California and Hawaii have a long history of collaboration, the Hawaii Department of Health was invited to participate in the pilot study. Due to limited funding, the pilot study was limited to newborns in Kapiolani Medical Center for Women and Children. The pilot study began on March 1, 2002 and ended on August 31, 2003.

Expanded Newborn Screening Pilot Project Results

The Expanded Newborn Screening Pilot Project began on March 1, 2002 and ended on August 31, 2003. It was limited to newborns born at Kapiolani Medical Center for Women and Children (KMCWC). The study was performed in collaboration with the California Department of Health Genetics Disease Branch and was funded by a grant from the Health Resources and Services Administration.

All babies who participated in the pilot project received expanded newborn screening using MS/MS for over 25 metabolic disorders. The number of people who participated in the pilot study is below:

Number of Babies Who Participated in the Pilot Project

Participating Number (%)	Not Participating Number (%)	Total Births at KMCWC Number (%)
7,474 (83.2)	1,505 (16.8)	8,979 (100)*

Of the 7,474 babies who participated in the pilot project, 8 received abnormal test results. Additional testing showed that only one had an actual metabolic disorder. The baby with the metabolic disorder has a condition called isovaleric acidemia.

Number of Babies with Abnormal Results

Number of Babies with Abnormal Results	Number of Babies with a Metabolic Disorder
8 babies	1 baby with isovaleric acidemia

To read the Honolulu Star Bulletin newspaper article about the baby with isovaleric acidemia, click

<http://starbulletin.com/2002/11/25/news/story3.html>

Pilot Project Results

To read the Honolulu Star Bulletin newspaper article about the start of the pilot project, click

<http://www.starbulletin.com/2002/02/21/news/story7.html>